

WHAT IS CLAIMED IS:

1. A thermoplastic resin composition comprising a thermoplastic resin containing no halogen atom, from 0.1 to 50 parts by mass, per 100 parts by mass of said thermoplastic resin, of a phosphate type glass, and from 0.1 to 50 parts by mass, per 100 parts by mass of said thermoplastic resin, of a phosphorus type flame retardant other than the above phosphate type glass.
2. The thermoplastic resin composition according to Claim 1, wherein the total amount of the phosphate type glass and the phosphorus type flame retardant is from 0.5 to 50 parts by mass per 100 parts by mass of the thermoplastic resin containing no halogen atom.
3. The thermoplastic resin composition according to Claim 1, wherein the thermoplastic resin containing no halogen atom is at least one thermoplastic resin selected from the group consisting of a polycarbonate resin, a polyphenylene ether resin, a polystyrene resin and an acrylonitrile/butadiene/styrene copolymer resin.
4. The thermoplastic resin composition according to Claim 1, wherein the thermoplastic resin containing no halogen atom is a polycarbonate resin, and the total amount of the phosphate type glass and the phosphorus type flame retardant is from 1 to 15 parts by mass per 100 parts by mass of the thermoplastic resin.
5. The thermoplastic resin composition according to Claim 1, wherein the thermoplastic resin containing no

halogen atom is at least one thermoplastic resin selected from the group consisting of a polyphenylene ether resin, a polystyrene resin and an

acrylonitrile/butadiene/styrene copolymer resin, and the  
5 total amount of the phosphate type glass and the phosphorus type flame retardant is from 10 to 45 parts by mass per 100 parts by mass of the thermoplastic resin.

6. The thermoplastic resin composition according to Claim 1, which further contains a antidripping agent in  
10 an amount of from 0.05 to 2 parts by mass per 100 parts by mass of the thermoplastic resin containing no halogen atom.

7. The thermoplastic resin composition according to Claim 6, wherein the antidripping agent is  
15 polytetrafluoroethylene.

8. The thermoplastic resin composition according to Claim 1, wherein the phosphorus type flame retardant other than the phosphate type glass is at least one member selected from the group consisting of a monomer  
20 type phosphoric acid ester flame retardant and a condensed type phosphoric acid ester flame retardant.

9. The thermoplastic resin composition according to Claim 8, wherein the phosphorus type flame retardant selected from the group consisting of a monomer type  
25 phosphoric acid ester flame retardant and a condensed type phosphoric acid ester flame retardant, is a phosphorus type flame retardant containing no halogen

atom.

10. The thermoplastic resin composition according to  
Claim 1, wherein the phosphate type glass has a glass  
transition temperature higher than 300°C and lower than  
5 400°C.

11. The thermoplastic resin composition according to  
Claim 10, wherein the phosphate type glass is a phosphate  
type glass of a composition comprising, as represented by  
mol%, from 15 to 45% of  $P_2O_5$ , from 3 to 60% of RO (at  
10 least part thereof is ZnO), from 3 to 40% of  $R'_2O$ , from 0  
to 15% of  $Al_2O_3$ , from 3 to 25% of  $B_2O_3$  and from 0 to 30%  
of  $SO_3$  as components (wherein R is a bivalent metal, and  
R' is an alkali metal).

12. The thermoplastic resin composition according to  
15 Claim 1, wherein the phosphate type glass is a phosphate  
type glass having surface treatment preliminarily applied.

13. The thermoplastic resin composition according to  
Claim 12, wherein the surface treatment is surface  
treatment with a silane coupling agent.

20 14. The thermoplastic resin composition according to  
Claim 12, wherein the phosphate type glass has a glass  
transition temperature higher than 300°C and lower than  
400°C.

15. The thermoplastic resin composition according to  
25 Claim 14, wherein the phosphate type glass is a phosphate  
type glass of a composition comprising, as represented by  
mol%, from 15 to 45% of  $P_2O_5$ , from 3 to 60% of RO (at

least part thereof is ZnO), from 3 to 40% of  $R'_2O$ , from 0 to 15% of  $Al_2O_3$ , from 3 to 25% of  $B_2O_3$  and from 0 to 30% of  $SO_3$  as components (wherein R is a bivalent metal, and R' is an alkali metal).

5 16. The thermoplastic resin composition according to Claim 1, wherein the thermoplastic composition contains substantially no component containing a chlorine atom or a bromine atom.

10 17. The thermoplastic resin composition according to Claim 6, wherein the thermoplastic composition contains substantially no component containing a chlorine atom or a bromine atom.

18. A process for producing the thermoplastic resin composition as defined in Claim 1, which comprises  
15 melting and mixing the respective components, followed by extrusion molding into pellets to obtain a pelletized molding material made of the thermoplastic resin composition as defined in Claim 1.

19. A process for producing the thermoplastic resin  
20 composition as defined in Claim 6, which comprises melting and mixing the respective components, followed by extrusion molding into pellets to obtain a pelletized molding material made of the thermoplastic resin composition as defined in Claim 6.